

CLEAN SET OF CLAIMS

19. An isolated CD39L4 polynucleotide comprising the nucleotide sequence of SEQ ID NO: 5.
20. An isolated polynucleotide encoding the amino acid sequence of SEQ ID NO: 6
21. An isolated polynucleotide comprising a nucleotide sequence encoding a fragment of the amino acid sequence of SEQ ID NO: 6, said fragment having phosphohydrolase activity.
22. The polynucleotide of claim 21 wherein said nucleotide sequence is a fragment of SEQ ID NO; 5.
23. An isolated polynucleotide encoding a polypeptide having phosphohydrolase activity, said polynucleotide comprising a nucleotide sequence that has at least about 90% sequence identity to SEQ ID NO: 5.
24. An isolated polynucleotide encoding a polypeptide having phosphohyrolase activity, wherein said polynucleotide hybridizes under highly stringent conditions to the complement of SEQ ID NO: 5.
25. The polynucleotide according to any one of the claims 20, 21, 23 or 24 that comprises 247-1530, 385-450, 613-660, 745-807 or 823-888 of SEQ ID NO: 5.
26. The polynucleotide according to any one of the claims 19-24 that is DNA.
27. A vector comprising the polynucleotide of any one of the claims 19-24.
28. A host cell comprising the vector of claim 27.
29. A host cell genetically engineered to contain a polynucleotide encoding the amino acid sequence of SEQ ID NO: 6 inoperative association with a regulatory sequence that controls expression of the polynucleotide in the host cell.
30. A method of making a CD39L4 polypeptide comprising the steps of culturing the host cell of claim 28 in suitable culture medium and isolating the polypeptide from the cell or the culture medium.
31. A method of making a CD39L4 polypeptide comprising the steps of culturing the host cell of claim 29 in suitable culture medium and isolating the polypeptide from the cell or the culture medium.